

EXAMINATION NO.: _____



THE MALAWI NATIONAL EXAMINATIONS BOARD

2022 JUNIOR CERTIFICATE EXAMINATION

GEOGRAPHY

(100 marks)

Subject Number: J073

Tuesday, 2 August

Time Allowed: 2 h 30 min
1:00 – 3:30 pm

Instructions

1. This paper contains 12 printed pages. Please check.
2. This paper has three sections: A, B, and C.
3. Follow instructions for each section carefully.
4. Write your **Examination Number** in the spaces provided on **all** the pages of this paper before you start answering the questions.
5. In the table provided on this page, **tick** against the question number you have answered.
6. Hand in your question paper to the invigilator when time is called to stop writing.

Question number	Tick if answered	Do not write in these columns	
1 - 10			
11 - 20			
21			
22			
23			
24			
25			
26			

Section A (20 marks)

Answer **all** questions in this section. Encircle the letter corresponding to the correct answer.

1. Which of the following new developments related to solar system focuses on the Earth planet?
 - A. inclination of orbital plane
 - B. shifting of magnetic poles
 - C. removal of Pluto from list of planets
 - D. increase in number of moons
2. Which of the following dwarf Planets is found within asteroid belt?
 - A. Eris
 - B. Ceres
 - C. Pluto
 - D. Haumea
3. Among the following proofs of the Earth's spherical shape, which one relates to rotation?
 - A. sunrise and sunset
 - B. earth's curved horizon
 - C. eclipse of the moon
 - D. aerial photographs
4. Which of the following terms refers to the combined loss of water vapor from vegetation, land and water masses?
 - A. evaporation
 - B. vapor-transpiration
 - C. transpiration
 - D. capillary action
5. Which of the following instruments is used to estimate wind speed by observing local environment?
 - A. Beaufort scale
 - B. Aneroid barometer
 - C. Cup anemometer
 - D. Hygrometer

6. What name is given to lines drawn on a map joining places of equal sunshine?

A. isotherms	C. isobars
B. isohyets	D. isohels

Figure 1 is the internal structure of the Earth. Use it to answer questions 5 and 6.

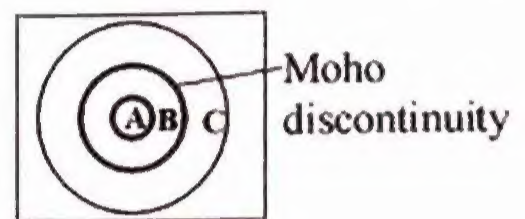


Figure 1

7. Which of the following minerals is found in layer C?
 - A. iron
 - C. silica
 - B. nickel
 - D. diamond
8. What name is given to the boundary between layer A and B.
 - A. Stratopause
 - B. Tropopause
 - C. Asthenosphere
 - D. Gutenberg discontinuity
9. Which of the following will occur to air pressure when vapor in the air increases?
 - A. air pressure increases
 - B. wind speed increases
 - C. air pressure decreases
 - D. wind speed decreases
10. Any catastrophic events caused by hazards in nature that leads to deaths and injuries is called
 - A. natural resources.
 - B. natural disasters.
 - C. poaching.
 - D. drought.

Table 1 below shows minimum and maximum temperatures for weather stations **A** and **B** on a particular day. Use it to answer questions **11** and **12**.

Table 1

Station	Max temp (°C)	Min temp (°C)
A	34	18
B	26	12

11. What is the mean temperature for the Station **A**?
A. 18 °C C. 26 °C
B. 20 °C D. 52 °C
12. What is the location of station **A**?
A. high altitude area
B. polar region
C. temperate region
D. desert region
13. Which of the following landforms are found to the lower course of the Shire river?
A. falls
B. gorges
C. flood plains
D. v shaped valleys
14. Which of the following agricultural industries has encouraged depletion of forests in Malawi?
A. cotton C. tobacco
B. sugar D. coffee
15. Which of the following is a renewable natural resource?
A. soil C. oil
B. copper D. air
16. Which of the following are biological disasters?
A. locusts and epidemics
B. locusts and floods
C. floods and droughts
D. epidemics and droughts
17. Which of the following forms of transport is cheap for transporting heavy goods over long distances?
A. air
B. rail
C. road
D. water
18. Which of the following countries is Malawi's trading partner?
A. Mozambique C. Japan
B. Russia D. Portugal
19. What is the population density for a country with a total area of **10000 km²** and a total population of **6,000,000** people?
A. **06** pp/km²
B. **60** pp/km²
C. **600** pp/km²
D. **6000** pp/km²
20. Which of the following wildlife areas in Malawi lie along Shire River?
A. Liwonde and Kasungu
B. Kasungu and Lengwe
C. Nyika and Majete
D. Majete and Lengwe

Section B (50 marks)

Answer **all** questions in this section in the spaces provided.

21. **Figure 2** is a map of Mponela. Use it to answer questions that follow:

21. (Continued)

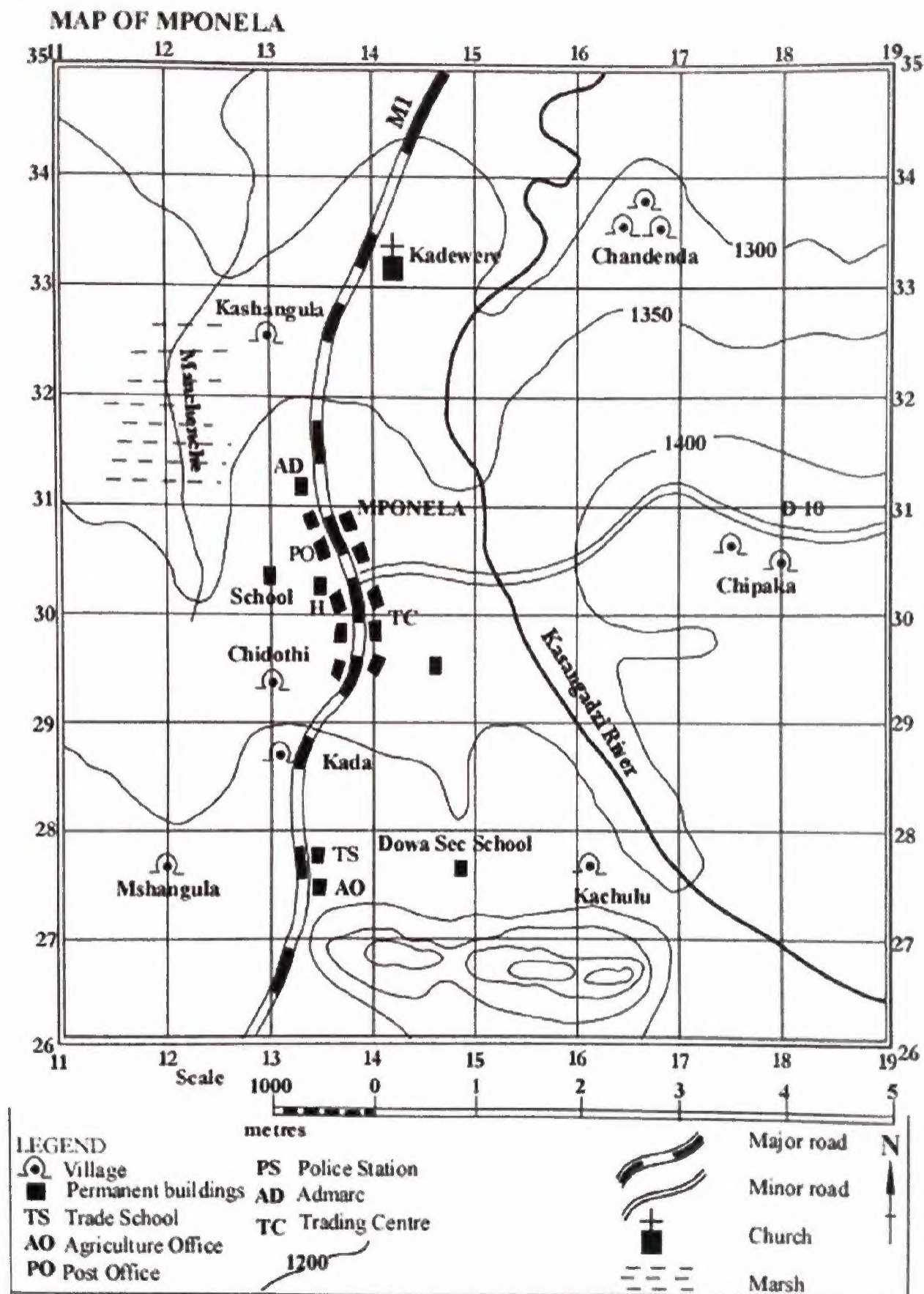


Figure 2

Continued/...

21. a. (i) What is the **four-figure** grid reference of Chandenda village?
- _____
- (1 mark)
- (ii) Find the **six-figure** grid reference of Dowa Secondary School.
- _____
- (2 marks)
- b. Measure the distance of **M10** road from **Northing 26** to the junction with **D10** road. Present the answer to the nearest kilometer.
- _____
- (3 marks)
- c. Mention any **two** settlement patterns shown on the map.
- _____
- _____
- (2 marks)
- d. (i) In which direction is Kasangadzi river flowing?
- _____
- (1 mark)
- (ii) Calculate the bearing of Mshangula village from Kawere church.
- _____
- (3 marks)
- e. State any **two** land uses shown on the map.
- _____
- _____
- (2 marks)
- f. Calculate the actual area of the land shown on the map to the east of **Easting 16**.
- (6 marks)

22. a. Define the term 'solar system'.

(1 mark)

- b. Name the fifth planet in the solar system.

(1 mark)

- c. Describe the nature of seasons when the sun is overhead along the Tropic of Cancer in the following areas:

- (i) northern hemisphere

(2 marks)

- (ii) southern hemisphere

(2 marks)

- d. Explain how the eclipse of the moon proves that the Earth is spherical.

(2 marks)

- e. Give the reason for the presence of the following features on a Stevenson's screen:

- (i) louvered sides

(1 mark)

- (ii) double boarded roof

(1 mark)

23. **Figure 3** is the map of Malawi showing some of the major forests in Malawi. Use it to answer the questions that follow:

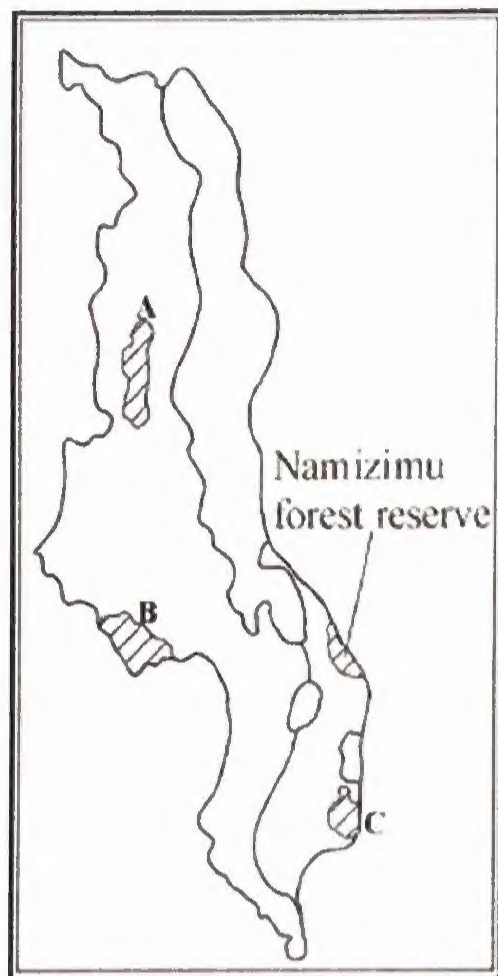


Figure 3

- a. Name the natural forests labelled **A** and **B**.

(2 marks)

- b. Explain any **two** ways in which forest labelled **C** is important.

(4 marks)

23. (Continued)

- c. Mention any **two** species of trees which are found in forest labelled **B**.

(2 marks)

- d. State any **two** human activities which are endangering forest labelled **A**.

(2 marks)

- 24. a. Figure 4** is a diagram showing a fishing method. Use it to answer questions that follow.

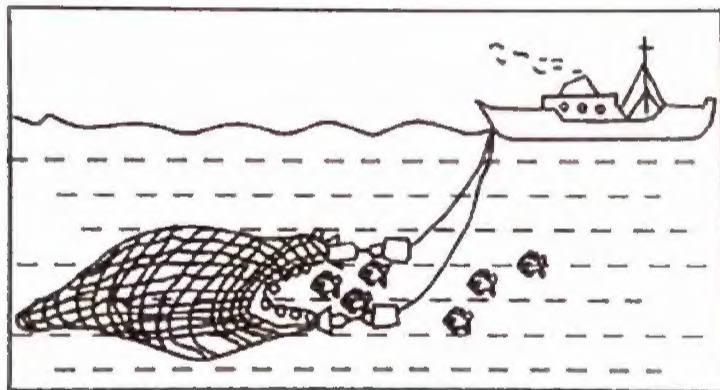


Figure 4

- (i) Identify the fishing method.

_____ (1 mark)

24. (Continued)

- (ii) Describe how the method is used in fishing.

(3 marks)

- b. Mention any
- two**
- major fishing grounds of Malawi.

(2 marks)

- c. Explain how the following factors influence the location of industries:

- (i) labour

(2 marks)

- (ii) raw materials

(2 marks)

Section C (30 marks)

Answer **all** questions in an essay form in the spaces provided overleaf. Failure to answer the questions in an essay form will lead to automatic loss of **four** marks.

25. a. Explain any
- three**
- results of rotation of the Earth. (7 marks)

- b. Describe any
- four**
- factors which disturb the hydrological cycle. (8 marks)

26. a. Describe any
- three**
- factors leading to Malawi's negative balance of trade. (6 marks)

- b. Explain any
- four**
- effects of rapid population growth in Malawi. (9 marks)

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END OF QUESTION PAPER

NB: This paper contains 12 printed pages.